Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/02/2016 11:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124714	-1	2.29	124639	2.29
Blue	F	SSC	125000	123611	-2	4.71	124757	4.58
Blue	E	FITC	17316	16460	-5	3.33	930	9.09
Blue	D	PE	22501	21922	-3	3.06	987	8.37
Blue	B	PerCP-Cy5-5	67647	66058	-3	3.57	1738	13.38
Blue	A	PE-Cy7	80682	79579	-2	4.46	1048	24.37
Red	C	APC	64263	62858	-3	2.67	3533	8.28
Red	A	APC-Cy7	96129	94067	-3	2.76	1859	8.09
Violet	B	V450	11714	11325	-4	3.45	708	7.95
Violet	A	V500	48394	47477	-2	3.02	2689	5.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19610	3.47	589	0	N/A	N/A	Pass
Blue	F	SSC	61566	3.60	514	0	N/A	N/A	Pass
Blue	E	FITC	101	36.11	515	-5	0.0262	177	Pass
Blue	D	PE	204	24.40	511	-3	0.1751	135	Pass
Blue	B	PerCP-Cy5-5	210	39.35	604	-3	0.0111	0	Pass
Blue	A	PE-Cy7	77	96.37	661	-2	0.0156	9	Pass
Red	C	APC	331	26.22	585	0	0.0204	0	Pass
Red	A	APC-Cy7	118	39.54	565	0	0.0047	1029	Pass
Violet	B	V450	75	40.73	456	0	0.0471	1726	Pass
Violet	A	V500	175	21.68	488	1	0.0139	97	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.41	-31.30	0.83
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.30
Red	15.78	13.28 - 19.92	N/A	N/A	31.69	31.88	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9620

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments